

1653

DH9

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/446,543A

Input Set : A:\2472USOP.txt

Output Set: N:\CRF3\02222001\1446543A.raw

DATE: 02/22/2001

TIME: 09:07:20

```
3 <110> APPLICANT: HINDMA, Shuji
 4
         KAWAMATA, Yuji
         FUJII, Ryo
 б
         MATSUMOTO, Hirokazu
 8 <120> TITLE OF INVENTION; Prolactin Secretion Modulator
10 <130> FILE REFERENCE: 2472USOP
12 <140> CURRENT APPLICATION NUMBER: US 09/446,543A
13 <141> CURRENT FILING DATE: 1999-12-20
15 <150> PRIOR APPLICATION NUMBER: PCT/JP98/02765
16 <151> PRIOR FILING DATE: 1998-06-22
18 <150> PRIOR APPLICATION NUMBER: JP 9-165437
19 <151> PRIOR FILING DATE: 1997-06-23
21 <160> NUMBER OF SEO ID NOS: 99
23 <170> SOFTWARE: PatentIn version 3.0
25 <210> SEO ID NO: 1
26 <211> LENGTH: 98
27 <212> TYPE: PRT
28 <213> ORGANISM: Bovine
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35 Ala Leu Gln Gly Ala Ala Ser Arg Ala His Gln His Ser Met Glu Ile
36 29 25 30
38 Arg Thr Pro Asp The Asm Pro Ala Trp Tyr Ala Gly Arg Gly Hie Arg
39
   35
                              40
41 Pro Val Gly arg Phe Gly Arg Arg Arg Ala Ala Pro Gly Asp Gly Pro 42 - 50 - 55 - 60
44 Arg Pro Gly Pro Arg Arg Val Pro Ala Cys Phe Arg Leu Glu Gly Gly 45 65 70 75 80
47 Ala Glu Pro Ser Arg Ala Leu Pro Gly Arg Leu Thr Ala Gln Leu Val
48
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                                       90
50 Gln Glu
53 <210> SEQ ID NO: 2
54 <211> LENGTH: 294
55 <212> TYPE: ONA
56 <213> ORGANISM: bovine
58 <400> SEQUENCE: 2
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61 gotqccagca gagcccacca qcactccatg gagatccgca cocccgacat caaccctgcc
63 tagtangers geogtaggat coasecosts specifictes sengesaas aschaeceys
                                                                          180
65 gaggacagac coaganotag coccogacat gigocagoni golicogoni ganagacagay
                                                                          240
67 gotgagooot coogagooot ocoggggogg otgacggooo agetggtoca ggaa
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70 <210> SEQ TD NO: 3
71 <211> LENGTH: 29
72 <2.12> TYPE: PRT
73 <213> ORGANISM: artificial
75 <220> FEATURE:
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ENTERED see p. 5

> MAR 0 8 2001 TECH CENTER 1600/2900

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 DATE: 02/22/2001

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Input Set : A:\2472USOP.txt

Output Set: N:\CRF3\02222001\1446543A.raw

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78 <400> SEQUENCE: 3
80 Ser Arg Ala His Gla His Ser Met Glo 1le Arg Thr Pro Asp Tle Asn
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83 Pro Ala Trp Tyr Ala Gly Arg Gly 1le Arg Pro Val Gly
84 20
86 <210> SEQ LD NO: 4
87 <211> LENGTH: 19
88 <212> TYPE: PRT
89 <213> ORGANISM: artificial
91 <220> FEATURE:
92 <223> OTHER INFORMATION: bovine fragment (34-52)
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96 Thr Pro Asp Ile Asn Pro Ata Trp Tyr Ala Giy Arg Gly Ile Arg Pro
97 1 5
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99 Val Gly Arg
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103 <211> LENGTH: 31
104 <212> TYPE: PRT
105 <213> ORGANISM: artificial
107 <220> FEATURE:
108 <223> OTHER INFORMATION: boving fragment (23-53)
1.10 <400> SEQUENCE: 5
112 Ser Ary Ala His Gin His Ser Met Glu lle Arg Thr Pro Asp He Asn
113 1 5 10
115 Pro Ala Trp Tyr Ala Gly Arg Gly Ile Arg Pro Val Gly Arg Phe
11.6 20
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119 <211> LENGTH: 32
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121 <213 · ORGANISM: artificial
123 <220> FEATURE:
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126 <400> SEQUENCE: 6
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1.29 1
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131 Pro Ala Trp Tyr Ala Gly Arg Gly Tle Arg Pro Val Gly Arg Phe Gly 132 20 25 30 134 <21.0> SEQ 1D NO: 7
135 <211> LENGTH: 33
136 <212> TYPE: PRT
137 <213> ORGANISM: artificial
139 <220> FEATURE:
140 <223> OTHER INFORMATION: bovine fragment (23-55)
142 <400> SEQUENCE: 7
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145 1 5
                         . 10
                                                    1.5
147 Pro Ala Trp Tyr Ala Gly Arg Gly Ile Arg Pro Val Gly Arg Phe Gly
148 20
                                 25
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RAW SEQUENCE LISTING DATE: 02/22/2001.
PATENT APPLICATION: US/09/446,543A FIME: 09:07:20

Input Set : A:\2472USOP.txt

Output Sct: N:\CRF3\02222001\T446543A.raw

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155 <212> TYPE: PRT
156 <213> ORGANISM: -qrtificial
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164 1
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166 Val Gly Arg Phe
167 20
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172 <213> ORGANISM: artificial
174 <220> FEATURE:
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                                         10
182 Val Gly Arg Phe Gly
183
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186 <211> LENGTH: 22
187 <212> TYPE: PRT
188 <213> ORGANISM: artificial
190 <220> FEATURE:
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                                         10
198 Val Gly Arg Phe Gly Arg
199
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202 <211> LENGTH: 87
203 <212> TYPE: DNA
204 <213> ORGANISM: bovine
206 <400> SEQUENCE: 11
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209 gerggeegtg ggateeggee egtggge
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213 <211> LENGTH: 57
214 <212> TYPE: DNA
215 <213> ORGANISM: bovine
217 <400> SEQUENCE: 12
218 accecegaca tcaaccetyc etggtacger ggccgtggga tccggcccgt gggccgc
221 <210> SEQ ID NO: 13
222 <211> LENGTH: 93
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DAPE: 02/22/2001 TIME: 09:07:20 RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/446,543A

Input Set : A:\2472USOP.txt
Output Set: N:\CRF3\02222001\1446543A.raw

223	<212> TYPE: DNA	
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229	gerqqeeqtg gqateeqqee cgtqqgeege tte	93
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235	<2.13> ORGANISM: bovine	
237	<400> SEQUENCE: 14	
238	agragações accageacto categaqate egoaceceeg acateaacee tecetegtas	60
240	gerggeagtg agaleeggea egtgggeege ttegge	96
	<2.10> SEQ 1D NO: 15	
	<211> bength: 99	
245	<212> TYPE: DNA	
246	<213> ORGANISM: bovine	
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	gerggeeytg qqutergger eqtqqqeeqe tteqqeeqq	99
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	<212> TYPE: DNA	
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	<211> LENGTH: 63	
_	<212> TYPE: DNA	
	<213> ORGANISM: bovine	
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	996	6.3
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	<211> LENGTU; 66	
	<212> TYPE: DNA	
	<213> ORGANISM: bovine	
	<400> SEQUENCE: 18	
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	<212> TYPE: PRT	
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	<400> SEQUENCE; 19	
	Leu Val Leu Val 11e Ala Arg Val Arg Arg Leu His Asn Val Thr Asn	
293		
	Phe Leu lle Gly Asn Leu Ala Leu Ser Asp Val Leu Met Cys Thr Ala	
296	20 25 30	
	Cys Val Pro Leu Thr Leu Ala Tyr Ala Phe Glu Pro Arg Gly Trp Val	
~ - 0	ago ini ara nan nee mee mee mee iye mee mee mee ing ing dig ith top	

RAW SEQUENCE LISTING DATE: 02/22/2001.
PATENT APPLICATION: US/09/446,543A TIME: 09:07:20

Input Set : A:\2472USOP.txt

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Output Set: N:\CRF3\02222001\1446543A.raw

```
301 Phe Gly Gly Cly Len Cys His Leu Val Phe Phe Leu Gln Pro Val Thr 302 50 55 60
 301 Val Tyr Val Ser Val the Thr Leu Thr Thr 11c Ala Val Asp Arg Tyr
305 65 70 75 80
 307 Val Val Leu Val Bis Pro Leu Arg Arg Arg 11e 308 85 90
 310 <210> SRO 1D NO: 20
 311 <211> LENGTH: 59
 312 <212> PYPE: PRT
 313 <213> ORGANISM: human
315 <400> SEQUENCE: 20
317 Gly Leu Leu Va. Thr Tyr Leu Leu Pro Leu Leu Val 11e Leu Leu 318 1 5 10 15
320 Ser Tyr Val Arg Val Ser Val Lys Len Arg Asn Arg Val Val Pro Gly
321 20 35
323 Cys Val Thr Gln Ser Gln Ala Asp Trp Asp Arg Ala Arg Arg Arg 324 35 40 45
326 Thr Phe Cys Leu Leu Val Val Val Val Val Val 327 50 55
329 <210> SEQ 1D NO: 21
330 <211> LENGTH: 370
331 <212> TYPE: PRT
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 337 1 5
339 Gly Len Pro Pro Ala Val Thr Thr Pro Ala Asn Gin Ser Ala Clu Ala
340 20 25 30
342 Ser Ala Giy Asn Giy Ser Val Ala Giy Ala Asp Ala Pro Ala Val Thr 343 35 40 45
345 Pro Phe Gin Ser Leu Gin Leu Val His Gin Len Lvs Giy Leu Ile Val 346 50 55 60
348 Lou Len Tyr Ser Val Val Val Val Gly Leu Val Gl/ Asn Cys Len
349 65 70 75 80
351 Leu Val Leu Val Ile Ala Arg Val Arg Arg Leu Ris Asn Val Thr Asn 352 85 90 95
352 Phe Leu Ile Gly Asn Leu Ala Leu Ser Asp Val Leu Met Cys Thr Ala
355 100 105 110
357 Cys Val Pro Leu Thr Leu Ala Tyr Ala Phe Glu Pro Arg Gly Trp Val
358 115 120 125
| 120 | 125 | 125 | 126 | 127 | 127 | 128 | 128 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129
```

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY PATRNT APPLICATION: US/09/446,543A DATE: 02/22/2001 TIME: 09:07:21

Input Set : A:\2472USOP.txt
Output Set: N:\CRF3\02222001\I446543A.raw

h:625 H:341 W: (46) "n" or "Xaa" used, for SEO ID#:29 h:649 H:341 W: (46) "n" or "Xaa" used, for SEO ID#:30 h:667 H:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEO ID#:31 h:673 M:341 W: (46) "n" or "Xaa" used, for SEO ID#:31 L:673 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:685 M:257 W: Feature value mis-spelled or invalid. <223> Name/Key for SEQ ID#:32
L:691 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:733 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:769 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:793 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:1337 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73
L:1340 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73
L:1371 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73